

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/37044

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; C12P 19/36; C12M 1/36

US CL : 435/6, 91.2, 287.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/5, 6, 91.2, 183, 287.1 287.2; 536/23.1, 24.3, 24.31, 24.33

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST (USPat, USPGP, EPO, JPO, Derwent)**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,474,796 A (BRENNAN) 12 December 1995 (12.12.1995), see entire document.	1-15
Y	US 2002/0055099 A1 (FISHER) 09 May 2002 (09.05.2002) see entire document.	1-15
Y, P	US 6,503,717 B2 (CASE et al.) 07 January 2003 (07.01.2003), see entire document.	1-15
Y, P	US 6,586,185 B2 (WOLF et al.) 01 July 2003 (01.07.2003), see entire document.	1-15

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search

21 March 2004 (21.03.2004)

Date of mailing of the international search report

06 MAY 2004

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